

IN THE CLAIMS

Please cancel claims 2, 5, and 11 without prejudice.

Please amend the following claims which are pending in the present application:

1. (Currently amended) A superconductor, comprising:
particles made of a magnesium diboride superconductive material; and
a conductive material selected to be driven to a superconductive state when in proximity to the superconductive material and at least including gallium, an unbroken section of the conductive material being located sufficiently close to a plurality of the particles to be driven to a superconductive state by the superconductive material so that current conducts primarily through the conductive material of the superconductor.
2. (Cancelled)
3. (Original) The superconductor of claim 1, wherein the conductive material is in contact with the superconductive material.
4. (Currently amended) A method of making a superconductor, comprising:
mixing a plurality of particles of a magnesium diboride superconductive material with a conductive material, thereby locating the conductive material adjacent the superconductive material, the conductive material being selected to be

driven to a superconductive state when in close proximity to the superconductive material, the conductive material at least including gallium, and an unbroken length of the conductive material being in sufficiently close proximity to a plurality of the particles to be driven to a superconductive state by the particles.

5. (Cancelled)

6. (Currently amended) The method of claim [[5]] 4, further comprising:
assembling an elongate member from the particles and the superconductive material; and
drawing the elongate member into a wire.

7-9. (Cancelled)

10. (Currently amended) A method of making a superconductor, comprising:
assembling an elongate member of a conductive material adjacent a magnesium diboride superconductive material, the conductive material being selected to be driven to a superconductive state when in close proximity to the superconductive material, the conductive material at least including gallium; and
drawing the elongate member into a wire, an unbroken length of the conductive material being in sufficiently close proximity to a plurality of the particles to be driven to a superconductive state by the particles.

11-24. (Cancelled)